

1 **WHAT IS CLAIMED IS:**

2 1. An operating device for a screwdriver, comprising:
3 a body;
4 a barrel extending through the body and pivotally partially
5 received in the body, the barrel having a polygonal hole centrally
6 defined therein, the polygonal hole adapted to partially receive a tip;
7 and
8 a controller mounted to the body for controlling an operate
9 direction of the screwdriver;
10 wherein the improvement comprises: the polygonal hole
11 extending through the barrel.

12 2. The operating device as claimed in claim 1, wherein:
13 the body includes:
14 a first through hole longitudinally and centrally defined
15 in the body, the first through hole having an enlarged portion
16 formed in one end of the body;
17 a first channel defined in the body and corresponding
18 to the enlarged portion of the firs
19 a through hole, the first channel communicating with
20 the enlarged portion of the first through hole; and
21 a second channel defined in the body, the second
22 channel corresponding to the first channel and the enlarged
23 portion of the first through hole, the second channel

1 communicating with the enlarged portion of the first through hole;
2 the barrel partially and pivotally received in the first through
3 hole in the body and includes a series of teeth formed on an outer
4 periphery of the barrel and corresponding to the enlarged portion of the
5 first through hole; and

6 the controller includes:

7 a first pawl movably received in the first channel in the
8 body and selectively engaged to the series of teeth of the barrel to
9 control the operate direction of the screwdriver, the first pawl
10 extending over the body and having a first guide side formed on a
11 free end of the first pawl;

12 a first resilient member mounted in the first channel
13 and abutting against the first pawl to push the first pawl toward
14 the series of teeth of the barrel;

15 a second pawl movably received in the second channel
16 in the body and selectively engaged to the series of teeth of the
17 barrel to control the operate direction of the screwdriver, the
18 second pawl extending over the body and having a second guide
19 side formed on a free end of the second pawl;

20 a second resilient member mounted in the second
21 channel and abutting against the second pawl to push the second
22 pawl toward the series of teeth of the barrel; and

23 a cover pivotally mounted to the body for driving the

1 first pawl and the second pawl to control the operate direction of
2 the screwdriver, the cover having a clutch attached to the cover,
3 the clutch having a first side corresponding to the first guide side
4 of the first pawl and a second side corresponding to the second
5 guide side of the second pawl.

6 3. The operating device as claimed in claim 2, wherein the first
7 pawl comprises a first protrusion extending therefrom over the body
8 and the first guide side is formed on the first protrusion, and the second
9 pawl comprises a second protrusion extending therefrom over the body
10 and the second guide side is formed on the second protrusion.

11 4. The operating device as claimed in claim 2, wherein the body
12 comprises a column adapted to be secured in a handle of the
13 screwdriver and a pivot seat integrally formed with the column, the
14 pivot seat corresponding to the enlarged portion of the first through
15 hole and the first channel and the second channel defined in the pivot
16 seat.

17 5. The operating device as claimed in claim 3, wherein the body
18 comprises a column adapted to be secured in a handle of the
19 screwdriver and a pivot seat integrally formed with the column, the
20 pivot seat corresponding to the enlarged portion of the first through
21 hole and the first channel and the second channel defined in the pivot
22 seat.

23 6. The operating device as claimed in claim 4, wherein the

1 cover comprises:

2 a skirt mounted around an outer periphery of the pivot seat;

3 a shoulder radially extending from one end of the skirt

4 opposite to the body and defining a second through hole to allow the

5 barrel extending through the cover;

6 a first recess defined in the shoulder for receiving the first

7 protrusion of the first pawl; and

8 a second recess defined in the shoulder for receiving the

9 second protrusion of the second pawl, the second recess corresponding

10 to the first recess.

11 7. The operating device as claimed in claim 4, wherein the

12 cover comprises:

13 a skirt mounted around an outer periphery of the pivot seat;

14 a shoulder radially extending from one end of the skirt

15 opposite to the body and defining a second through hole to allow the

16 barrel extending through the cover;

17 a first recess defined in the shoulder for receiving the first

18 protrusion of the first pawl; and

19 a second recess defined in the shoulder for receiving the

20 second protrusion of the second pawl, the second recess corresponding

21 to the first recess.

22 8. An operating device for a screwdriver, comprising:

23 a body including:

1 a first through hole longitudinally and centrally defined
2 in the body, the first through hole having an enlarged portion
3 formed in one end of the body;
4 a first channel defined in the body and corresponding
5 to the enlarged portion of the first
6 a through hole, the first channel communicating with
7 the enlarged portion of the first through hole; and
8 a second channel defined in the body, the second
9 channel corresponding to the first channel and the enlarged
10 portion of the first through hole, the second channel
11 communicating with the enlarged portion of the first through hole;
12 a barrel partially and pivotally received in the first through
13 hole in the body and including:
14 a polygonal hole defined in the barrel and centrally
15 extending through the barrel for receiving a long tip; and
16 a series of teeth formed on an outer periphery of the
17 barrel and corresponding to the enlarged portion of the first
18 through hole; and
19 a controller pivotally mounted on the body for controlling an
20 operate direction of the screwdriver, the controller including:
21 a first pawl movably received in the first channel in the
22 body and selectively engaged to the series of teeth of the barrel to
23 control the operate direction of the screwdriver, the first pawl

1 extending over the body and having a first guide side formed on a
2 free end of the first pawl;

3 a first resilient member mounted in the first channel
4 and abutting against the first pawl to push the first pawl toward
5 the series of teeth of the barrel;

6 a second pawl movably received in the second channel
7 in the body and selectively engaged to the series of teeth of the
8 barrel to control the operate direction of the screwdriver, the
9 second pawl extending over the body and having a second guide
10 side formed on a free end of the second pawl;

11 a second resilient member mounted in the second
12 channel and abutting against the second pawl to push the second
13 pawl toward the series of teeth of the barrel; and

14 a cover pivotally mounted to the body for driving the
15 first pawl and the second pawl to control the operate direction of
16 the screwdriver, the cover having a clutch attached to the cover,
17 the clutch having a first side corresponding to the first guide side
18 of the first pawl and a second side corresponding to the second
19 guide side of the second pawl.

20 9. The operating device as claimed in claim 8, wherein the first
21 pawl comprises a first protrusion extending therefrom over the body
22 and the first guide side is formed on the first protrusion, and the second
23 pawl comprises a second protrusion extending therefrom over the body

1 and the second guide side is formed on the second protrusion.

2 10. The operating device as claimed in claim 8, wherein the
3 body comprises a column adapted to be secured in a handle of the
4 screwdriver and a pivot seat integrally formed with the column, the
5 pivot seat corresponding to the enlarged portion of the first through
6 hole and the first channel and the second channel defined in the pivot
7 seat.

8 11. The operating device as claimed in claim 9, wherein the
9 body comprises a column adapted to be secured in a handle of the
10 screwdriver and a pivot seat integrally formed with the column, the
11 pivot seat corresponding to the enlarged portion of the first through
12 hole and the first channel and the second channel defined in the pivot
13 seat.

14 12. The operating device as claimed in claim 10, wherein the
15 cover comprises:

16 a skirt mounted around an outer periphery of the pivot seat;
17 a shoulder radially extending from one end of the skirt
18 opposite to the body and defining a second through hole to allow the
19 barrel extending through the cover;

20 a first recess defined in the shoulder for receiving the first
21 protrusion of the first pawl; and

22 a second recess defined in the shoulder for receiving the
23 second protrusion of the second pawl, the second recess corresponding

1 to the first recess.

2 13. The operating device as claimed in claim 10, wherein the
3 cover comprises:

4 a skirt mounted around an outer periphery of the pivot seat;

5 a shoulder radially extending from one end of the skirt

6 opposite to the body and defining a second through hole to allow the
7 barrel extending through the cover;

8 a first recess defined in the shoulder for receiving the first
9 protrusion of the first pawl; and

10 a second recess defined in the shoulder for receiving the second
11 protrusion of the second pawl, the second recess corresponding to the
12 first recess.